

Declaration for Patent Application

Docket Number: 1533.1030002/SRL/SEZ

As a below named inventor, I hereby declare that:

My residence, mailing address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter that is claimed and for which a patent is sought on the invention entitled: Increased Lysine Production by Gene Amplification, the specification of which is attached hereto unless the following box is checked:

- ☒ was filed on November 28, 2000;
as United States Application Number or PCT International Application Number 09/722,441; and
was amended on _____ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information that is material to patentability as defined in 37 C.F.R. § 1.56, including for continuation-in-part applications, material information that became available between the filing date of the prior application and the national or PCT international filing date of the continuation-in-part application.

I hereby claim foreign priority benefits under 35 U.S.C. § 119(a)-(d) or (f), or § 365(b) of any foreign application(s) for patent, inventor's or plant breeder's rights certificate(s), or § 365(a) of any PCT international application, which designated at least one country other than the United States of America, listed below and have also identified below, by checking the box, any foreign application for patent, inventor's or plant breeder's rights certificate(s), or PCT international application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)

Priority Claimed

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

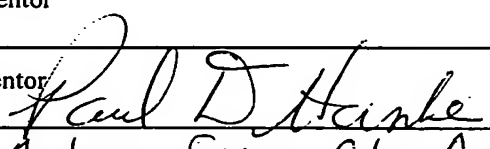
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1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934

Direct Telephone Calls to:

(202) 371-2600

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Paul D. Hanke	
Signature of sole or first inventor 	Date June 27, 2001
Residence 2565 Autumn Grove Ct. Aurora, IL 60504 407 Beringer Circle, Urbana, Illinois 61802 P.H.	
Citizenship USA	
Mailing Address Same as Above	
Full name of second inventor Lhing-Yew Li-D'Elia	
Signature of second inventor	Date
Residence 1203 Wesley Avenue, Savoy, Illinois 61874	
Citizenship Taiwan, ROC	
Mailing Address Same as Above	
Full name of third inventor Holly J. Walsh	
Signature of third inventor	Date
Residence 220 Cassell Lane, Roanoke, Virginia 24014	
Citizenship USA	
Mailing Address Same as Above	

Full name of fourth inventor Corey M. Crafton	
Signature of fourth inventor	Date
Residence 1371 West Pershing Road, Decatur, Illinois 62526	
Citizenship USA	
Mailing Address Same as Above	
Full name of fifth inventor P. John Rayapati	
Signature of fifth inventor	Date
Residence 949 Pine Hill Drive, Decatur, Illinois 62526	
Citizenship USA	
Mailing Address Same as Above	

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Priority Claimed

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No

(Application No.)

(Country)

(Day/Month/Year Filed)

☐ Yes ☐ No


Send Correspondence to:

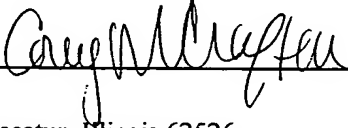
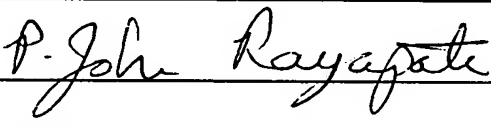
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1100 New York Avenue, N.W.
Suite 600
Washington, D.C. 20005-3934

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I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under 18 U.S.C. § 1001 and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor Paul D. Hanke	
Signature of sole or first inventor	Date
Residence 407 Beringer Circle, Urbana, Illinois 61802	
Citizenship USA	
Mailing Address Same as Above	
Full name of second inventor Lhing-Yew Li-D'Elia	
Signature of second inventor 	Date 6/27/01
Residence 1203 Wesley Avenue, Savoy, Illinois 61874	
Citizenship Taiwan, ROC	
Mailing Address Same as Above	
Full name of third inventor Holly J. Walsh	
Signature of third inventor	Date
Residence 220 Cassell Lane, Roanoke, Virginia 24014	
Citizenship USA	
Mailing Address Same as Above	

Full name of fourth inventor Corey M. Crafton	
Signature of fourth inventor 	Date 27 June 01
Residence 1371 West Pershing Road, Decatur, Illinois 62526	
Citizenship USA	
Mailing Address Same as Above	
Full name of fifth inventor P. John Rayapati	
Signature of fifth inventor 	Date 25 June 01
Residence 949 Pine Hill Drive, Decatur, Illinois 62526	
Citizenship USA	
Mailing Address Same as Above	

Declaration for Patent Application

Docket Number: 1533.1030002/SRL/SEZ

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(Day/Month/Year Filed)

☐ Yes ☐ No

(Application No.)

(Country)

(Day/Month/Year Filed)

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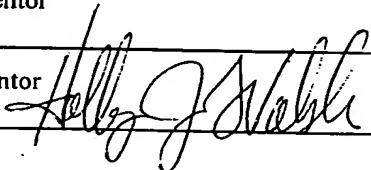
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Signature of sole or first inventor	Date
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Mailing Address Same as Above	
Full name of second inventor Lhing-Yew Li-D'Elia	
Signature of second inventor	Date
Residence 1203 Wesley Avenue, Savoy, Illinois 61874	
Citizenship Taiwan, ROC	
Mailing Address Same as Above	
Full name of third inventor Holly J. Walsh	
Signature of third inventor 	7-5-01 Date
Residence 220 Cassell Lane, Roanoke, Virginia 24014	
Citizenship USA	
Mailing Address Same as Above	

Full name of fourth inventor Corey M. Crafton	
Signature of fourth inventor	Date
Residence 1371 West Pershing Road, Decatur, Illinois 62526	
Citizenship USA	
Mailing Address Same as Above	
Full name of fifth inventor P. John Rayapati	
Signature of fifth inventor	Date
Residence 949 Pine Hill Drive, Decatur, Illinois 62526	
Citizenship USA	
Mailing Address Same as Above	

PTO/SB/22 (05-03)

Approved for use through 11/30/2005. OMB 0651-0035

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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REVOCATION OF POWER OF ATTORNEY OR AUTHORIZATION OF AGENT

Application Number	09/722,441
Filing Date	November 28, 2000
First Named Inventor	Paul D. Hanke
Art Unit	1652
Examiner Name	Kathleen M. Kerr
Attorney Docket Number	030692

I hereby revoke all previous powers of attorney or authorizations of agent given in the above-identified application:

☒ A power of Attorney or Authorization of Agent is submitted herewith.

OR

☐ Please change the correspondence address for the above-identified application to:

☐ Customer Number

Place Customer
Number Bar Code
Label here

OR

☐ Firm or
Individual Name

Address

Address

City

Country

State

Zip

Telephone

Fax

I am the:

☐ Applicant/Inventor.

☒ Assignee of record of the entire interest. See 37 CFR 3.71.
Statement under 37 CFR 3.73(b) is enclosed. (Form PTO/SB/96)

SIGNATURE of Applicant or Assignee of Record

Name Mr. David J. Smith, Executive Vice President, Secretary and General
Counsel, Archer-Daniels-Midland Company

Signature

Date

Feb. 2, 2004

Telephone

217-424-5200

NOTE: Signatures of all the inventors or assignees of record of the entire interest or their representative(s) are required. Submit multiple forms if more than one signature is required, see below.

☒ Total of 1 forms are submitted.

This collection of information is required by 37 CFR 1.36. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 3 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

STATEMENT UNDER 37 CFR 3.73(b)

Applicant/Patent Owner: Paul D. Hanke, et al.

Application No./Patent No.: 09/722,441 Filed/Issue Date: November 28, 2000
Polynucleotides Encoding a Feedback Resistant Aspartokinase from
 Entitled: Corynebacterium

Archer-Daniels-Midland Company, a Corporation
 (Name of Assignee) (Type of Assignee, e.g., corporation, partnership, university, government agency, etc.)

states that it is:

1. ☒ the assignee of the entire right, title, and interest; or
2. ☐ an assignee of less than the entire right, title and interest.
 The extent (by percentage) of its ownership interest is _____ %
 in the patent application/patent identified above by virtue of either.

A. ☒ An assignment from the inventor(s) of the patent application/patent identified above. The assignment was recorded in the United States Patent and Trademark Office at Reel 012039, Frame 0286, or for which a copy thereof is attached. Reel 012427, Frame 0053

OR

B. ☐ A chain of title from the inventor(s), of the patent application/patent identified above, to the current assignee as shown below:

1. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
2. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.
3. From: _____ To: _____
 The document was recorded in the United States Patent and Trademark Office at Reel _____, Frame _____, or for which a copy thereof is attached.

☐ Additional documents in the chain of title are listed on a supplemental sheet.

☐ Copies of assignments or other documents in the chain of title are attached.
 [NOTE: A separate copy (i.e., the original assignment document or a true copy of the original document) must be submitted to Assignment Division in accordance with 37 CFR Part 3, if the assignment is to be recorded in the records of the USPTO. See MPEP 302.08]

The undersigned (whose title is supplied below) is authorized to act on behalf of the assignee.

Feb. 2, 2004
 Date

217-424-5200

Telephone number

David J. Smith

Typed or printed name

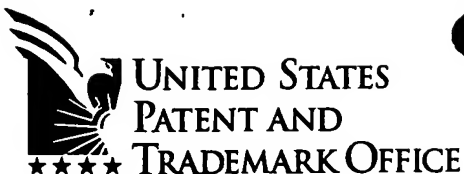
[Signature]

Signature

Executive Vice President, Secretary
 and General Counsel, Archer-Daniels-Midland Company
 Title

This collection of information is required by 37 CFR 3.73(b). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



FEBRUARY 27, 2002

PTAS

Chief Information Officer
Washington, DC 20231
www.uspto.gov

STERNE, KESSLER, GOLDSTEIN & FOX, PLLC
MICHELE A. CIMBALA
1100 NEW YORK AVE., N.W.
SUITE 600
WASHINGTON, DC 20005-3934



101940115A

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PLEASE REVIEW ALL INFORMATION CONTAINED ON THIS NOTICE. THE INFORMATION CONTAINED ON THIS RECORDATION NOTICE REFLECTS THE DATA PRESENT IN THE PATENT AND TRADEMARK ASSIGNMENT SYSTEM. IF YOU SHOULD FIND ANY ERRORS OR HAVE QUESTIONS CONCERNING THIS NOTICE, YOU MAY CONTACT THE EMPLOYEE WHOSE NAME APPEARS ON THIS NOTICE AT 703-308-9723. PLEASE SEND REQUEST FOR CORRECTION TO: U.S. PATENT AND TRADEMARK OFFICE, ASSIGNMENT DIVISION, BOX ASSIGNMENTS, CG-4, 1213 JEFFERSON DAVIS HWY, SUITE 320, WASHINGTON, D.C. 20231.

RECORDATION DATE: 01/10/2002

REEL/FRAME: 012427/0053
NUMBER OF PAGES: 4

BRIEF: CORRECTION OF ERRONEOUSLY RECORDED EXECUTION DAE FOR INVENTOR
LHING-YEW LI-D'ELIA ON REEL 012039 FRAME 0286

ASSIGNOR:
LI-D'ELIA, LHING-YEW

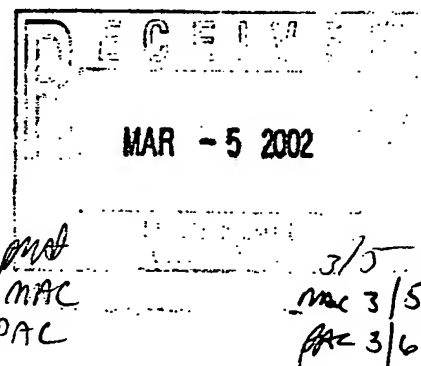
DOC DATE: 06/27/2001

ASSIGNEE:
ARCHER-DANIELS-MIDLAND COMPANY
4666 E. FARIES PARKWAY
DECATUR, ILLINOIS 62526

SERIAL NUMBER: 09722441
PATENT NUMBER:

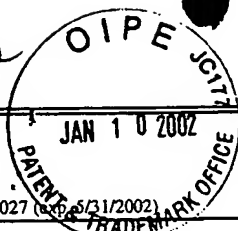
FILING DATE: 11/28/2000
ISSUE DATE:

SHARON BROOKS, EXAMINER
ASSIGNMENT DIVISION
OFFICE OF PUBLIC RECORDS



MRD
1-10.02

Corrective



01-10-2002



101940115

U.S. Department of Commerce
Patent and Trademark Office

Form PTO-1595
(Rev. 03/01)

OMB No. 0651-0027

RECEIVED

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Lhing-Yew Li-D'Elia

1/10/02
C

2. Name and address of receiving party(ies):

Name: Archer-Daniels-Midland Company

Internal Address:

Street Address: 4666 E. Faries Parkway

City: Decatur State: IL Zip Code: 62526

Country: U.S.A.

Additional name(s) & address(es) attached? ☐ yes ☒ no

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

3. Nature of Conveyance:

- ☐ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☒ Other correction of erroneously recorded

execution date for inventor Lhing-Yew Li-D'Elia
on REEL 012039 FRAME 0286
Execution Date: June 27, 2001

4. Application number(s) or patent number(s):

If this document is being filed together with a new application, the execution date of the application is _____

A. Patent Application No(s).

09/722,441

B. Patent No(s).

Additional numbers attached? ☐ yes ☒ no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

Internal Address: c/o 1533.1030002/MAC/PAC

Street Address: 1100 New York Ave., N.W.
Suite 600

City: Washington State: D.C. Zip Code: 20005-3934

6. Total number of applications and patents involved: One

7. Total fee (37 C.F.R. § 3.41).....\$ 40.00

☒ Enclosed

☐ Authorized to be charged to Deposit Account

8. Deposit Account Number:

19-0036

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Michele A. Cimbala
Name of Person Signing
Registration No. 33,851

Michele A. Cimbala
Signature

Jan. 9, 2002
Date

Total number of pages including cover sheet, attachments and document Six (6)

Mail documents to be recorded with required cover sheet information to:
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Washington, D.C. 20231

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PATENT & TRADEMARK OFFICE

08-08-2001

Form PTO-1595

(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/1)



101803685

SHEET

U.S. Department of Commerce
Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Paul D. Hanke
Lhing-Yew Li-D'Elia
Holly Walsh
Corey M. Crafton
P. John Rayapati

8-1-01

2. Name and address of receiving party(ies):

Name: Archer-Daniels-Midland Company

Internal Address:

Street Address: 4666 E. Faries Parkway

City: Decatur State: Illinois Zip Code: 62526

Country:

Additional name(s) & address(es) attached? ☐ yes ☒ noAdditional name(s) of conveying party(ies) attached? ☐ yes ☒ no

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 6/27, 6/27, 6/25, 6/27, 7/5

4. Application number(s) or patent number(s): 09/722,441

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A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ yes ☒ no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

Internal Address: c/o Suzanne E. Ziska

Street Address: 1100 New York Ave., N.W.
Suite 600

City: Washington State: D.C. Zip Code: 20005-3934

6. Total number of applications and patents involved: 17. Total fee (37 C.F.R. § 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to Deposit Account

8. Deposit Account Number:

19-0036

(Attach duplicate copy of this page if paying by deposit account)

08/07/2001 TD/AZI 00000206 09722441

01 FC:581

40.00 OP

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Suzanne E. Ziska
Name of Person Signing
Registration No. 43,371

Signature

August 1, 2001

Date

Total number of pages including cover sheet, attachments and document 7

Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Paul D. Hanke, Lhing-Yew Li-D'Elia, P. John Rayapati, Corey M. Crafton, Holly J. Walsh the undersigned inventor(s) hereby sell(s) and assign(s) to Archer-Daniels-Midland Company (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

(a) in the invention(s) known as Increased Lysine Production by Gene Amplification for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 6/27/01, 6/25/01, 4/27/01 (also known as United States Application No. 09/722,441 filed November 28, 2001) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

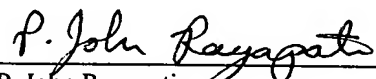
The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A.

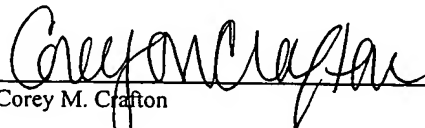
Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: _____ Signature of Inventor: _____
Paul D. Hanke

Date: 27 June 2001 Signature of Inventor: 
Lhing-Yew Li-D'Elia

Date: 25 Jun 01 Signature of Inventor: 
P. John Rayapati

Date: 27 Jun 01 Signature of Inventor: 
Corey M. Crafton

Date: _____ Signature of Inventor: _____
Holly J. Walsh



**UNITED STATES DEPARTMENT OF COMMERCE
Patent and Trademark Office**

ASSISTANT SECRETARY AND COMMISSIONER
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OCTOBER 09, 2001

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STERNE, KESSLER, GOLDSTEIN & FOX, PLLC
SUZANNE E. ZISKA
1100 NEW YORK AVENUE, N.W., SUITE 600
WASHINGTON, D.C. 20005-3934



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RECORDATION DATE: 08/01/2001

REEL/FRAME: 012039/0286
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HANKE, PAUL D.

DOC DATE: 06/27/2001

ASSIGNOR:

LI-D'ELIA, LHING-YEW

DOC DATE: 06/²⁷~~25~~/2001

ASSIGNOR:

WALSH, HOLLY

DOC DATE: 07/05/2001

ASSIGNOR:

CRAFTON, COREY M.

DOC DATE: 06/27/2001

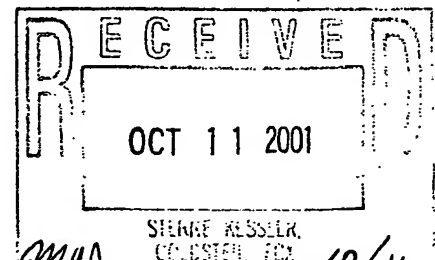
ASSIGNOR:

RAYAPATI, P. JOHN

DOC DATE: 06/25/2001

ASSIGNEE:

ARCHER-DANIELS-MIDLAND COMPANY
4666 E. FARIES PARKWAY
DECATUR, ILLINOIS 62526



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SRL
SEZ

10/11
10/11/01
S22 FILE 10/12/01

012039/0286 PAGE 2

SERIAL NUMBER: 09722441
PATENT NUMBER:

FILING DATE: 11/28/2000
ISSUE DATE:

ALLYSON PURNELL, EXAMINER
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08-08-2001

Form PTO-1595
(Rev. 03/01)
OMB No. 0651-0027 (exp. 5/31/1)



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Patent and Trademark Office

To the Honorable Commissioner of Patents and Trademarks. Please record the attached original documents or copy thereof.

1. Name of conveying party(ies):

Paul D. Hanke
Lhing-Yew Li-D'Elia
Holly Walsh
Corey M. Crafton
P. John Rayapati

8-1-01

2. Name and address of receiving party(ies):

Name: Archer-Daniels-Midland Company

Internal Address:

Street Address: 4666 E. Faries Parkway

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 6/27, 6/27, 6/25, 6/27, 7/5

City: Decatur State: Illinois Zip Code: 62526

Country:

Additional name(s) & address(es) attached? ☐ yes ☒ no

4. Application number(s) or patent number(s): 09/722,441

If this document is being filed together with a new application, the execution date of the application is _____

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ yes ☒ no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

Internal Address: c/o Suzanne E. Ziska

Street Address: 1100 New York Ave., N.W.
Suite 600

City: Washington State: D.C. Zip Code: 20005-3934

6. Total number of applications and patents involved: 1

7. Total fee (37 C.F.R. § 3.41).....\$ 40.00

☒ Enclosed

☐ Authorized to be charged to Deposit Account

8. Deposit Account Number:

19-0036

(Attach duplicate copy of this page if paying by deposit account)

08/07/2001 TD/AZ1 00000206 09722441

01 FC:581

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Suzanne E. Ziska
Name of Person Signing
Registration No. 43,371

Suzanne E. Ziska
Signature

August 1, 2001
Date

Total number of pages including cover sheet, attachments and document 7

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Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Paul D. Hanke, Lhing-Yew Li-D'Elia, P. John Rayapati, Corey M. Crafton, Holly J. Walsh the undersigned inventor(s) hereby sell(s) and assign(s) to Archer-Daniels-Midland Company (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

(a) in the invention(s) known as Increased Lysine Production by Gene Amplification for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 6/27/01, 6/25/01, 4/27/01 (also known as United States Application No. 09/722,441 filed November 28, 2001) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.


The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

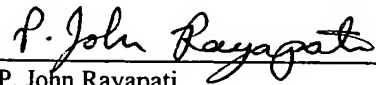
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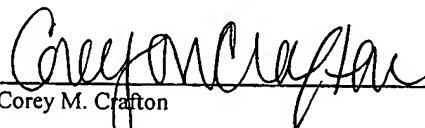
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Date: _____ Signature of Inventor: _____
Paul D. Hanke

Date: 27 June 2001 Signature of Inventor: 
Lhing-Yew Li-D'Elia

Date: 25 Jun 01 Signature of Inventor: 
P. John Rayapati

Date: 27 Jun 01 Signature of Inventor: 
Corey M. Crafton

Date: _____ Signature of Inventor: _____
Holly J. Walsh



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SUZANNE E. ZISKA
1100 NEW YORK AVENUE, N.W., SUITE 600
WASHINGTON, D.C. 20005-3934



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RECORDATION DATE: 08/01/2001

REEL/FRAME: 012039/0286
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:
HANKE, PAUL D.

DOC DATE: 06/27/2001

ASSIGNOR:
LI-D'ELIA, LHING-YEW

27
DOC DATE: 06/25/2001

ASSIGNOR:
WALSH, HOLLY

DOC DATE: 07/05/2001

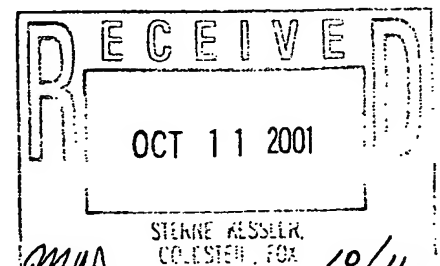
ASSIGNOR:
CRAFTON, COREY M.

DOC DATE: 06/27/2001

ASSIGNOR:
RAYAPATI, P. JOHN

DOC DATE: 06/25/2001

ASSIGNEE:
ARCHER-DANIELS-MIDLAND COMPANY
4666 E. FARIES PARKWAY
DECATUR, ILLINOIS 62526



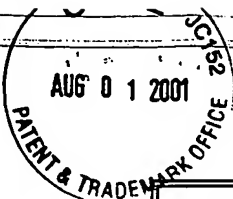
STERNE KESSLER
GOLDSTEIN FOX
10/11/01
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SEZ
10/11/01
SEE FILE 10/12/01

012039/0286 PAGE 2

SERIAL NUMBER: 09722441
PATENT NUMBER:

FILING DATE: 11/28/2000
ISSUE DATE:

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ASSIGNMENT DIVISION
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(Rev. 03/01)

OMB No. 0651-0027 (exp. 5/31/7)

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Patent and Trademark Office

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1. Name of conveying party(ies):

Paul D. Hanke
Lhing-Yew Li-D'Elia
Holly Walsh
Corey M. Crafton
P. John Rayapati

8-1-01

2. Name and address of receiving party(ies):

Name: Archer-Daniels-Midland Company

Internal Address:

Street Address: 4666 E. Faries Parkway

Additional name(s) of conveying party(ies) attached? ☐ yes ☒ no

3. Nature of Conveyance:

- ☒ Assignment ☐ Merger
☐ Security Agreement ☐ Change of Name
☐ Other _____

Execution Date: 6/27, 6/27, 6/25, 6/27, 7/5

City: Decatur State: Illinois Zip Code: 62526

Country:

Additional name(s) & address(es) attached? ☐ yes ☒ no

4. Application number(s) or patent number(s): 09/722,441

If this document is being filed together with a new application, the execution date of the application is _____

A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ yes ☒ no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

Internal Address: c/o Suzanne E. Ziska

Street Address: 1100 New York Ave., N.W.
Suite 600

City: Washington State: D.C. Zip Code: 20005-3934

6. Total number of applications and patents involved: 17. Total fee (37 C.F.R. § 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to Deposit Account

8. Deposit Account Number:

19-0036

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08/07/2001 TD AZ1 00000206 09722441

01 FC:581

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9. Statement and signature.

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Suzanne E. Ziska
Name of Person Signing
Registration No. 43,371

Suzanne E. Ziska
Signature

August 1, 2001
Date

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Washington, D.C. 20231

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Paul D. Hanke, Lhing-Yew Li-D'Elia, P. John Ravapati, Corey M. Crafton, Holly J. Walsh the undersigned inventor(s) hereby sell(s) and assign(s) to Archer-Daniels-Midland Company (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

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(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

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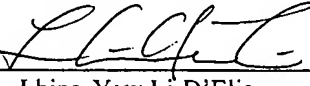
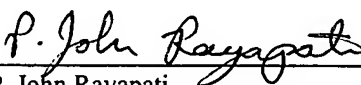
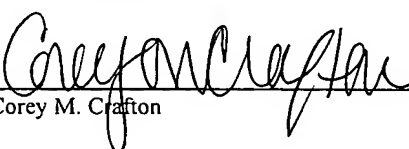
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Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: _____	Signature of Inventor: _____ Paul D. Hanke
Date: <u>27 June 2001</u>	Signature of Inventor: <u></u> Lhing-Yew Li-D'Elia
Date: <u>25 Jun 01</u>	Signature of Inventor: <u></u> P. John Rayapati
Date: <u>27 Jun 01</u>	Signature of Inventor: <u></u> Corey M. Crafton
Date: _____	Signature of Inventor: _____ Holly J. Walsh



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OF PATENTS AND TRADEMARKS
Washington, D.C. 20231

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OCTOBER 09, 2001

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STERNE, KESSLER, GOLDSTEIN & FOX, PLLC
SUZANNE E. ZISKA
1100 NEW YORK AVENUE, N.W., SUITE 600
WASHINGTON, D.C. 20005-3934



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RECORDATION DATE: 08/01/2001

REEL/FRAME: 012039/0286
NUMBER OF PAGES: 7

BRIEF: ASSIGNMENT OF ASSIGNOR'S INTEREST (SEE DOCUMENT FOR DETAILS).

ASSIGNOR:

HANKE, PAUL D.

DOC DATE: 06/27/2001

ASSIGNOR:

LI-D'ELIA, LHING-YEW

DOC DATE: 06/25/2001

ASSIGNOR:

WALSH, HOLLY

DOC DATE: 07/05/2001

ASSIGNOR:

CRAFTON, COREY M.

DOC DATE: 06/27/2001

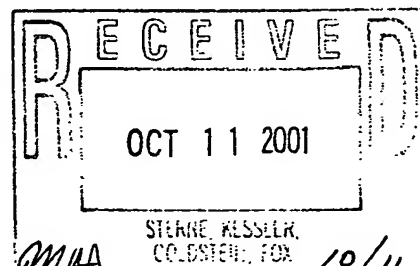
ASSIGNOR:

RAYAPATI, P. JOHN

DOC DATE: 06/25/2001

ASSIGNEE:

ARCHER-DANIELS-MIDLAND COMPANY
4666 E. FARIES PARKWAY
DECATUR, ILLINOIS 62526



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10/14
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012039/0286 PAGE 2

SERIAL NUMBER: 09722441
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Paul D. Hanke
Lhing-Yew Li-D'Elia
Holly Walsh
Corey M. Crafton
P. John Rayapati

8-1-01

2. Name and address of receiving party(ies):

Name: Archer-Daniels-Midland Company

Internal Address:

Street Address: 4666 E. Faries Parkway

City: Decatur State: Illinois Zip Code: 62526

Country:

Additional name(s) & address(es) attached? ☐ yes ☒ noAdditional name(s) of conveying party(ies) attached? ☐ yes ☒ no

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☒ Assignment ☐ Merger
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A. Patent Application No(s).

B. Patent No(s).

Additional numbers attached? ☐ yes ☒ no

5. Name and address of party to whom correspondence concerning document should be mailed:

Name: Sterne, Kessler, Goldstein & Fox P.L.L.C.

Internal Address: c/o Suzanne E. Ziska

Street Address: 1100 New York Ave., N.W.
Suite 600

City: Washington State: D.C. Zip Code: 20005-3934

6. Total number of applications and patents involved: 17. Total fee (37 C.F.R. § 3.41).....\$ 40.00☒ Enclosed☐ Authorized to be charged to Deposit Account

8. Deposit Account Number:

19-0036

(Attach duplicate copy of this page if paying by deposit account)

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9. Statement and signature.

*To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.*Suzanne E. Ziska
Name of Person Signing
Registration No. 43,371
SignatureAugust 1, 2001
DateTotal number of pages including cover sheet, attachments and document 7Mail documents to be recorded with required cover sheet information to:
Commissioner of Patents and Trademarks, Box Assignments
Washington, D.C. 20231

ASSIGNMENT

In consideration of the sum of One Dollar (\$1.00) or equivalent and other good and valuable consideration paid to each of the undersigned inventor(s): Paul D. Hanke, Lhing-Yew Li-D'Elia, P. John Rayapati, Corey M. Crafton, Holly J. Walsh the undersigned inventor(s) hereby sell(s) and assign(s) to Archer-Daniels-Midland Company (the Assignee) his/her entire right, title and interest, including the right to sue for past infringement and to collect for all past, present and future damages:

check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

(a) in the invention(s) known as Increased Lysine Production by Gene Amplification for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 6/27/01 (also known as United States Application No. 09/722,441 filed November 28, 2000) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

(c) in any and all inventions described in the patent application listed above in part (a), and in any and all forms of intellectual and industrial property protection derivable from such patent application, and that are derivable from any and all continuing applications, reissues, extensions, renewals and reexaminations of such patent application, including, without limitation, patents, applications, utility models, inventor's certificates, and designs together with the right to file applications therefor; and including the right to claim the same priority rights from any previously filed applications under the International Agreement for the Protection of Industrial Property, or any other international agreement, or the domestic laws of the country in which any such application is filed, as may be applicable;

all such rights, title and interest to be held and enjoyed by the above-named Assignee, its successors, legal representatives and assigns to the same extent as all such rights, title and interest would have been held and enjoyed by the Assignor had this assignment and sale not been made.

The undersigned inventor(s) agree(s) to execute all papers necessary in connection with the application(s) and any continuing (continuation, divisional, or continuation-in-part), reissue, reexamination or corresponding application(s) thereof and also to execute separate assignments in connection with such application(s) as the Assignee may deem necessary or expedient.

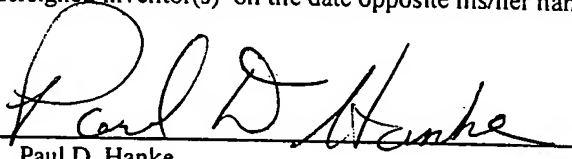
The undersigned inventor(s) agree(s) to execute all papers necessary in connection with any interference or patent enforcement action (judicial or otherwise) related to the application(s) or any continuing (continuation, divisional, or continuation-in-part), reissue or reexamination application(s) thereof and to cooperate with the Assignee in every way possible in obtaining evidence and going forward with such interference or patent enforcement action.

The undersigned inventor(s) hereby represent(s) that he/she has full right to convey the entire interest herein assigned, and that he/she has not executed, and will not execute, any agreement in conflict therewith.

The undersigned inventor(s) hereby grant(s) Robert Greene Sterne, Esquire, Registration No. 28,912; Edward J. Kessler, Esquire, Registration No. 25,688; Jorge A. Goldstein, Esquire, Registration No. 29,021; Samuel L. Fox, Esquire, Registration No. 30,353; David K.S. Cornwell, Esquire, Registration No. 31,944; Robert W. Esmond, Esquire, Registration No. 32,893; Tracy-Gene G. Durkin, Esquire, Registration No. 32,831; Michele A.

Cimbala, Esquire, Registration No. 33,851; Michael B. Ray, Esquire, Registration No. 33,997; Robert E. Sokohl, Esquire, Registration No. 36,013; Eric K. Steffe, Esquire, Registration No. 36,688; Michael Q. Lee, Esquire, Registration No. 35,239; Steven R. Ludwig, Esquire, Registration No. 36,203; John M. Covert, Esquire, Registration No. 38,759; and Linda E. Alcorn, Esquire, Registration No. 39,588; all of STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C., 1100 New York Avenue, N.W., Suite 600, Washington, D.C. 20005-3934, power to insert in this assignment any further identification that may be necessary or desirable in order to comply with the rules of the United States Patent and Trademark Office for recordation of this document.

IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: June 27, 2001 Signature of Inventor: 
Paul D. Hanke

Date: _____ Signature of Inventor: _____
Lhing-Yew Li-D'Elia

Date: _____ Signature of Inventor: _____
P. John Rayapati

Date: _____ Signature of Inventor: _____
Corey M. Crafton

Date: _____ Signature of Inventor: _____
Holly J. Walsh

ASSIGNMENT

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check applicable box(es) ☒ for the United States of America (as defined in 35 U.S.C. § 100),
☒ and throughout the world,

SL 8/1/01
by No. 34,203
(a) in the invention(s) known as Increased Lysine Production by Gene Amplification for which application(s) for patent in the United States of America has (have) been executed by the undersigned on 6/27/01, 6/25/01, 4/27/01 (also known as United States Application No. 09/722,441 filed November 28, 2000) in any and all applications thereon, in any and all Letters Patent(s) therefor, and

(b) in any and all applications that claim the benefit of the patent application listed above in part (a), including continuing applications, reissues, extensions, renewals and reexaminations of the patent application or Letters Patent therefor listed above in part (a), to the full extent of the term or terms for which Letters Patents issue, and

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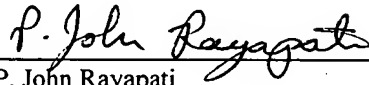
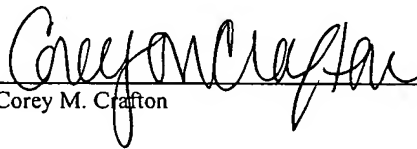
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IN WITNESS WHEREOF, executed by the undersigned inventor(s) on the date opposite his/her name.

Date: _____	Signature of Inventor: _____ Paul D. Hanke
Date: <u>27 June 2001</u>	Signature of Inventor: <u></u> Lhing-Yew Li-D'Elia
Date: <u>25 Jun 01</u>	Signature of Inventor: <u></u> P. John Rayapati
Date: <u>27 Jun 01</u>	Signature of Inventor: <u></u> Corey M. Crafton
Date: _____	Signature of Inventor: _____ Holly J. Walsh

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Lhing-Yew Li-D'Elia

Date: _____ Signature of Inventor: _____
P. John Rayapati

Date: _____ Signature of Inventor: _____
Cory M. Crafton

Date: 7-5-01 Signature of Inventor: _____
Holly J. Walsh